

Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use separate sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 14184-043001	Application No. 10/10/796,719
	Applicant Mark G. Currie et al.		
	Filing Date March 9, 2004	Group Art Unit	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
RT	AA	5,395,490	3/7/1995	Hoff	204	132	
I	AB	5,140,102	8/18/1992	Currie	530	326	
	AC						

Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes No
	AD						

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
RT	AE	Amarante et al., "The κ -opioid agonist (\pm)-bremazocine elicits peripheral antinociception by activation of the L-arginine/nitric oxide/cyclic GMP pathway" <u>European Journal of Pharmacology</u> , Vol. 454: pages 19-23 (2002).
	AF	Arita et al., "Purification and characterization of a heat-stable enterotoxin of <i>Vibrio mimicus</i> " <u>FEMS Microbiology Letters</u> , Vol. 79/1: pages 105-110 (1991).
	AG	Chan et al., "Amino Acid Sequence of Heat-stable Enterotoxin Produced by <i>Escherichia coli</i> Pathogenic for Man" <u>The Journal of Biological Chemistry</u> , Vol. 256, No. 15: pages 7744-7746 (1981).
	AH	Forte et al., "Lymphoguanlylin: Cloning and Characterization of a Unique Member of the Guanylin Peptide Family" <u>Endocrinology</u> , Vol. 140, No. 4: pages 1800-1806 (1999).
	AI	Giannela, "Escherichia coli heat-stable enterotoxins, guanylin, and their receptors: What are they and what do they do?" <u>The Journal of Laboratory and Clinical Medicine</u> , Vol. 125, No. 2: pages 173-181 (1995).
	AJ	Gualillo et al., "Ghrelin, a widespread hormone: insights into molecular and cellular regulation of its expression and mechanism of action" <u>FEBS Letters</u> , Vol. 552: pages 105-109 (2003).
	AK	Guarino et al., "Citrobacter freundii Produces an 18-Amino-Acid Heat-Stable Enterotoxin Identical to the 18-Amino-Acid <i>Escherichia coli</i> Heat-Stable Enterotoxin (ST Ia)" <u>Infection and Immunity</u> , Vol. 57, No. 2: pages 649-652 (1989).
	AL	Huang et al., "Nucleotide sequence of a gene encoding the novel <i>Yersinia enterocolitica</i> heat-stable enterotoxin that includes a pro-region-like sequence in its mature toxin molecule" <u>Microbial Pathogenesis</u> , Vol. 22: pages 89-97 (1997).
	AM	Jain et al., "Sildenafil-induced peripheral analgesia and activation of the nitric oxide-cyclic GMP pathway" <u>Brain Research</u> , Vol. 909: pages 170-178 (2001).
	AN	Kim et al., "Changes in ghrelin and ghrelin receptor expression according to feeding status" <u>NeuroReport</u> , Vol. 14, No. 10: pages 1317-1320 (2003).
I	AO	Lazaro-Ibanez et al., "Participation of the nitric oxide-cyclic GMP-ATP-sensitive K^+ channel pathway in the antinociceptive action of ketorolac" <u>European Journal of Pharmacology</u> , Vol. 426: pages 39-44 (2001).

Examiner Signature R. Teller	Date Considered 12/5/06
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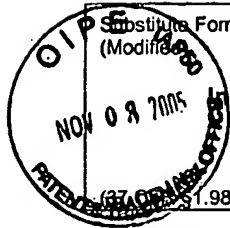
Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
RT	AP	Moseley et al., "Isolation and Nucleotide Sequence Determination of a Gene Encoding a Heat-Stable Enterotoxin of <i>Escherichia Coli</i> " <u>Infection and Immunity</u> , Vol. 39, No. 3: pages 1167-1174 (1983).
	AQ	Nzegwu et al., "Luminal capsaicin inhibits fluid secretion induced by enterotoxin <i>E. coli</i> STa, but not by carbachol, <i>in vivo</i> in rat small and large intestines" <u>Experimental Physiology</u> , Vol. 81, No. 2: pages 313-315 (1996).
	AR	Rolfe et al., "Enterotoxin <i>Escherichia coli</i> STa activates a nitric oxide-dependent myenteric plexus secretory reflex in the rat ileum" <u>The Journal of Physiology</u> , Vol. 475, No. 3: pages 531-537 (1994).
	AS	Rolfe et al., "Vagotomy inhibits the jejunal fluid secretion activated by luminal ileal <i>Escherichia coli</i> STa in the rat <i>in vivo</i> " <u>GUT</u> , Vol. 44: pages 615-619 (1999).
	AT	Shailubhai, "Therapeutic applications of guanylate cyclase-C receptor agonists" <u>Drug Discovery & Development</u> , Vol. 5 No. 2: pages 261-268 (2002).
	AU	So et al., "Nucleotide Sequence of the Bacterial Transposon Tn1681 Encoding a Heat-Stable (ST) Toxin and Its Identification in Enterotoxigenic <i>Escherichia coli</i> Strains" <u>Proceedings of the National Academy of Sciences of the U.S.A.</u> , Vol. 77, No. 7 [Part 2: Biological Sciences]: pages 4011-4015 (1980).
	AV	Soares, et al., "Dibutyl-cyclic GMP induces peripheral antinociception <i>via</i> activation of ATP-sensitive K ⁺ channels in the RAT PGE ₂ -induced hyperalgesic paw" <u>British Journal of Pharmacology</u> , Vol. 134: pages 127-131 (2001).
	AW	Takao et al., "Amino acid sequence of heat-stable enterotoxin produced by <i>Vibrio cholerae</i> non-01" <u>FEBS</u> , Vol. 193, number 2: pages 250-254 (1985).
	AX	Takao et al., "Isolation, primary structure and synthesis of heat-stable enterotoxin produced by <i>Yersinia enterocolitica</i> " <u>European Journal of Biochemistry</u> , Vol. 152, No. 1: pages 199-206 (1985).
	AY	Vaandrager et al., "Structure and function of the heat-stable enterotoxin receptor/guanylyl cyclase C" <u>Molecular and Cellular Biochemistry</u> , Vol. 230, Nos. 1&2: pages 73-83 (2002).
	AZ	GenBank Accession No. QHECIB; GI:69638; Aimoto et al., June 18, 1999.
	AAA	GenBank Accession No. P01559; GI:123711; So et al., October 25, 2004.
	ABB	GenBank Accession No. AAA24653; GI:147878; Sekizaki et al., April 26, 1993.
	ACC	GenBank Accession No. P01560; GI:123707; Chan et al., June 15, 2004.
	ADD	GenBank Accession No. AAA27561; GI:295439; Ogawa et al., June 12, 1993.
	AEE	GenBank Accession No. P04429; GI:123712; Ogawa et al., June 15, 2004.
	AFF	GenBank Accession No. S34671; GI:421286; Rossolini et al., April 12, 1995.
	AGG	GenBank Accession No. CAA52209; GI:395161; Guglielmetti et al., July 27, 1995.
	AHH	GenBank Accession No. A54534; GI:628844; Arita et al., May 3, 1996.
	AII	GenBank Accession No. AAL02159; GI:15592919; Teixeira et al., September 13, 2001.
	AJJ	GenBank Accession No. AAA18472; GI:487395; Mikulskis et al., May 26, 1994.
	AKK	GenBank Accession No. S25659; GI:282047; Takao et al., October 15, 1999.

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Other Documents (include Author, Title, Date, and Place of Publication)		
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RT	ALL	GenBank Accession No. P74977; GI:3913874; Ramamurthy et al., June 15, 2004.
I	AMM	GenBank Accession No. BAA23656; GI:2662339; Huang et al., February 13, 1999.
I	ANN	GenBank Accession No. P31518; GI:399947; Ibrahim et al., March 15, 2004.
I	AOO	GenBank Accession No. P07965; GI:3915589; Stieglitz et al., June 15, 2004.
	APP	

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(37 CFR 1.98(b))

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 March 9, 2004

Group Art Unit

U.S. Patent Documents

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RT	AA	5,489,670	2/6/1996	Currie et al.	530	326	
	AB	5,969,097	10/19/1999	Wiegand et al.	530	326	
	AC	6,060,037	5/9/2000	Waldman	424	1.65	
	AD	US2004/0266989	12/30/2004	Currie et al.	530	326	
	AE	US2003/0073628	4/17/2003	Shailubhai et al.	514	12	
	AF	US2003/0232013	12/18/2003	Siechman et al.	424	1.69	
	AG	US2004/0121961	6/24/2004	Masferrer	514	15	
	AH	US2004/0152868	8/5/2004	Larsen et al.	530	317	
	AI	US2004/0258687	12/23/2004	Waldman et al.	424	143.1	
	AJ	US2005/0032684	2/10/2004	Cetin et al.	514	12	

Foreign Patent Documents or Published Foreign Patent Applications

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							Yes	No
RT	AK	WO 01/25266	4/12/2001	WIPO				
	AL	EP 1012188	6/28/2000	EPO (English abstract)			X	
	AM	WO 02/062369	8/15/2002	WIPO				
	AN	WO 02/078683	10/10/2002	WIPO				
	AO	WO 02/079235	10/10/2002	WIPO				
	AP	WO 02/098912	12/12/2002	WIPO				
	AQ	WO 03/072125	9/4/2003	WIPO				
	AR	WO 04/071436	8/26/2004	WIPO				
	AS	WO 99/14239	3/25/1999	WIPO				

Other Documents (include Author, Title, Date, and Place of Publication)

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RT	AT	Camilleri, "Management of the Irritable Bowel Syndrome" Gastroenterology 120:652-668, 2001.
I	AU	Drossman, D.A., "The functional gastrointestinal disorders and the Rome II process" Gut 45:Supp. II:111-113, 1999.

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RT	AV	Drossman, D.A., "Psychosocial aspects of the functional gastrointestinal disorders" Gut 45:Supp. II:1125-1130, 1999.
I	AW	Drossman et al., "U.S. Householder Survey of Functional Gastrointestinal Disorders" Digestive Diseases and Sciences 38(9):1569-1580, 1993.
I	AX	Ringel, et al., "Irritable Bowel Syndrome" Annu. Rev. Med. 52:319-38, 2001.
I	AY	Santos-Neto, et al., "Guanylin and its Lysine-Containing Analogue in the Isolated Perfused Rat Kidney" Pharmacol. & Toxicol. 92:114-120, 2003.
I	AZ	Talley, et al., "Irritable Bowel Syndrome in a Community: Symptom Subgroups, Risk.." Am. J. of Epidemiology 142(1):76-83, 1995.
I	AAA	Talley, et al., "Medical Costs in Community Subjects with Irritable Bowel Syndrome" Gastroenterology 109(6):1736-1741, 1995.

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